

## 機械工学便覧 3 材料力学 初版第 2 刷 (2007/11/25 発行) 正誤表

No	頁	行	誤	正(下線部訂正)
1	28	表 3・2 最上段	$v = \frac{w}{24EI\ell_3} \left[ (x^4 - \ell_1^4) \ell^3 - 2\ell \dots \right]$	$v = \frac{w}{24EI\ell_3} \left[ (x^4 - \ell_1^4) \underline{\ell_3} - 2\ell \dots \right]$
2	47	表 5・1 No.1 の 行	$\omega = \frac{pa^4}{64D} \left( 1 - \frac{r^2}{a_2} \right) \left( \frac{5+\nu}{1+\nu} - \frac{r^2}{a^2} \right)$ $\vdots$ $\sigma_r = \mp \frac{3pa^2}{8h^2} (3+\nu) \left( 1 - \frac{r^2}{a_2} \right)$	$\omega = \frac{pa^4}{64D} \left( 1 - \frac{r^2}{\underline{a^2}} \right) \left( \frac{5+\nu}{1+\nu} - \frac{r^2}{a^2} \right)$ $\vdots$ $\sigma_r = \mp \frac{3pa^2}{8h^2} (3+\nu) \left( 1 - \frac{r^2}{\underline{a^2}} \right)$
3	55	右段 19 行目	$\frac{256(1-n^2)p}{p^6Eh^4} = \frac{4}{3} \left( \frac{1}{a^2} + \frac{1}{b^2} \right) \frac{\omega_{\max}}{h}$	$\frac{256(1-n^2)p}{p^6Eh^4} = \frac{4}{3} \left( \frac{1}{a^2} + \frac{1}{b^2} \right)^{\frac{2}{3}} \frac{\omega_{\max}}{h}$
4	64	6・2・2 本文	・・・, 座屈を考慮しなければならないことに注意が必要である (7・5・3 項参照).	・・・, 座屈を考慮しなければならないことに注意が必要である ( <u>8・5・3</u> 項参照).
5	161	式 12・65	誤 $\bar{Q}_{11} = c^4 Q_{11} + s^4 Q_{22} + 2(Q_{12} + Q_{66}) c^2 s^2$ $\bar{Q}_{22} = c^4 Q_{11} + c^4 Q_{22} + 2(Q_{12} + Q_{66}) c^2 s^2$ $\bar{Q}_{12} = (c^4 + s^4) Q_{12} + s^4 + (Q_{11} + Q_{22} - 4Q_{66}) c^2 s^2$ $\bar{Q}_{66} = (c^4 + s^4) Q_{66} + s^4 + (Q_{11} + Q_{22} - 2Q_{12} - 2Q_{66}) c^2 s^2$ $\bar{Q}_{16} = (Q_{11} - Q_{12} - 2Q_{66}) Q_{66} c^3 s + (Q_{12} - Q_{22} + 2Q_{66}) c s^3$ $\bar{Q}_{26} = (Q_{11} - Q_{12} - 2Q_{66}) Q_{66} c s^3 + (Q_{12} - Q_{22} + 2Q_{66}) c^3 s$ $c = \cos \theta, s = \sin \theta$	正(下線部訂正) $\bar{Q}_{11} = c^4 Q_{11} + s^4 Q_{22} + 2(Q_{12} + \underline{2Q_{66}}) c^2 s^2$ $\bar{Q}_{22} = c^4 Q_{11} + c^4 Q_{22} + 2(Q_{12} + \underline{2Q_{66}}) c^2 s^2$ $\bar{Q}_{12} = (c^4 + s^4) \underline{Q_{12}} + (Q_{11} + Q_{22} - 4Q_{66}) c^2 s^2$ $\bar{Q}_{66} = (c^4 + s^4) \underline{Q_{66}} + (Q_{11} + Q_{22} - 2Q_{12} - 2Q_{66}) c^2 s^2$ $\bar{Q}_{16} = (Q_{11} - Q_{12} - 2Q_{66}) \underline{c^3 s} + (Q_{12} - Q_{22} + 2Q_{66}) c s^3$ $\bar{Q}_{26} = (Q_{11} - Q_{12} - 2Q_{66}) \underline{c s^3} + (Q_{12} - Q_{22} + 2Q_{66}) c^3 s$ $c = \cos \theta, s = \sin \theta$

6	161	<p>式 12・66</p> <p><u>誤</u></p> $\bar{S}_{11} = c^4 S_{11} + s^4 S_{22} + (2S_{12} + S_{66})c^2 s^2$ $\bar{S}_{22} = s^4 S_{11} + c^4 S_{22} + (S_{12} + S_{66})c^2 s^2$ $\bar{S}_{12} = (c^4 + s^4)S_{12} + s^4 + (S_{11} + S_{22} - S_{66})c^2 s^2$ $\bar{S}_{66} = (c^4 + s^4)S_{66} + s^4 + 2(2S_{11} + 2S_{22} - 4S_{12} - S_{66})c^2 s^2$ $\bar{S}_{16} = (2S_{11} - 2S_{12} - S_{66})S_{66}c^3 s - (2S_{22} - 2S_{12} - S_{66})cs^3$ $\bar{S}_{26} = (2S_{11} - 2S_{12} - S_{66})S_{66}cs^3 + (2S_{22} - 2S_{12} + S_{66})c^3 s$
		<p><u>正(下線部訂正)</u></p> $\bar{S}_{11} = c^4 S_{11} + s^4 S_{22} + (2S_{12} + S_{66})c^2 s^2$ $\bar{S}_{22} = s^4 S_{11} + c^4 S_{22} + (\underline{2S_{12}} + S_{66})c^2 s^2$ $\bar{S}_{12} = (c^4 + s^4)\underline{S_{12}} + (S_{11} + S_{22} - S_{66})c^2 s^2$ $\bar{S}_{66} = (c^4 + s^4)\underline{S_{66}} + 2(2S_{11} + 2S_{22} - 4S_{12} - S_{66})c^2 s^2$ $\bar{S}_{16} = (2S_{11} - 2S_{12} - S_{66})\underline{c^3 s} - (2S_{22} - 2S_{12} - S_{66})cs^3$ $\bar{S}_{26} = (2S_{11} - 2S_{12} - S_{66})\underline{cs^3} + (2S_{22} - 2S_{12} + S_{66})c^3 s$

2012/11/7 更新